

Remarks- Claims

Claims 1-4, 6, 7, 16, 17, 19, 24-26, 27 and 29 were rejected under 35 USC 103(a) as being unpatentable over Zehavi et al. (U.S. Pat. No. 5,892,774), in view of Madhow et al. (US Patent 6,175,587).

With regard to Claim 1, the Examiner states that Zehavi et al. discloses in Fig. 4 and Fig. 5 a receiver comprising: a demodulator unit (208) configured for determining a code from each of a plurality of signals and for demodulating one or more of the plurality of signals.

Applicant notes that the demodulator in Zehavi et al. specifically addresses the demodulation on the reverse link (uplink) where the determination of the Walsh code using the Fast Walsh transform is an operation to determine which of the Walsh codes is most likely to have been transmitted in order to recover the code-word. Zehavi et al. also does not teach the selection of multiple codes as taught in the instant application. Zehavi et al. clearly state in the description of the figures that the embodiments are base station receive processors. Hence, there would be no motivation in the art to use this demodulator in an interference canceling receiver, especially on the forward link (downlink).

Applicant makes a similar argument with respect to rejections of the independent claims 16, 24 and 32. Applicant respectfully requests reconsideration of the Examiner's rejection with respect to the independent claims 1, 16, 24 and 32 and the dependent claims 2-4, 6, 7, 17, 19, 24-26, 27, and 29.

Claims 12 and 13 were rejected under 35 USC 103(a) as being unpatentable over Zehavi et al. (U.S. Pat. No. 5,892,774), in view of Madhow et al. (US Pat. No. 6,175,587), as applied to Claim 1, in view of Corbaton et al. (US Patent Application 2003/0072390).

Claim 12 has been amended, and Applicant requests reconsideration of Claim 12 and its dependent claims.

Claims 14 and 15 were rejected under 35 USC 103(a) as being unpatentable over Zehavi et al. (U.S. Pat. No. 5,892,774), in view of Corbaton et al. (US Patent Application 2003/0072390), as applied to Claims 1 and 12, in further view of Butler et al. (US Patent Application 2002/0131479).

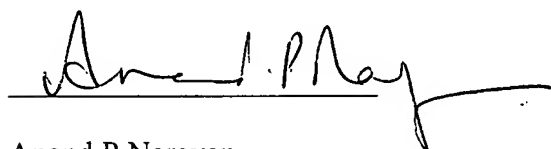
Applicant makes similar arguments regarding Claims 14 and Claim 15 since Applicant believes that Zehavi et al teach a demodulator for detecting a code-word on the reverse link, and there would be no motivation in the art to use it for interference cancellation.

With respect to the additional dependent claims, Applicant believes the novel and non-obvious features of the corresponding independent claims should make the dependent claims novel and non-obvious as well.

Conclusion

Applicant has thoroughly discussed the Examiner's objections of the claims in the Office Letter. Applicant maintains that the claims distinguish from the teachings of all prior art of record, either alone or in any combination. Applicant respectfully requests reconsideration and placement of the application in condition for allowance.

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